

USFS
FISHERIES RESOURCE INVENTORY

105-20-10072

Stream 105-20-07

Map: Petersburg 3-

Latitude $56^{\circ}20'00''$ Longitude $133^{\circ}58'30''$
58"

Located .75 mile northwest of the Port marker and 1.5 miles southwest of the Rose marker in the northern arm of Port Beauclerc.

This small stream is approximately one mile in length and drains the northeast side of a low-elevation mountain located between Port Beauclerc and Petrof Bay on Kuiu Island.

The intertidal area bottom substrates grade from <1" gravels in the lower section to ungraded cobble to 1" gravels in the upper part. The available habitat was severely limited by low stream flow during the survey.

The best spawning habitat is found in the first few hundred feet above the intertidal area. The stream displays 1"-4" gravels interspersed with large cobble and provides fair spawning habitat as depicted in Photo #17.



Photo #17: "Typical" habitat of stream

The stream substrates are primarily bedrock and cobble upstream to .16 mile where a 12' bedrock barrier falls is located.

The bottom substrates are primarily bedrock above the aforementioned barrier falls as the stream enters a restricted bedrock channel and the gradient becomes moderate. Several more barrier falls were encountered up to .25 mile. Photo #18 depicts a 13-foot barrier falls located .25 mile upstream.

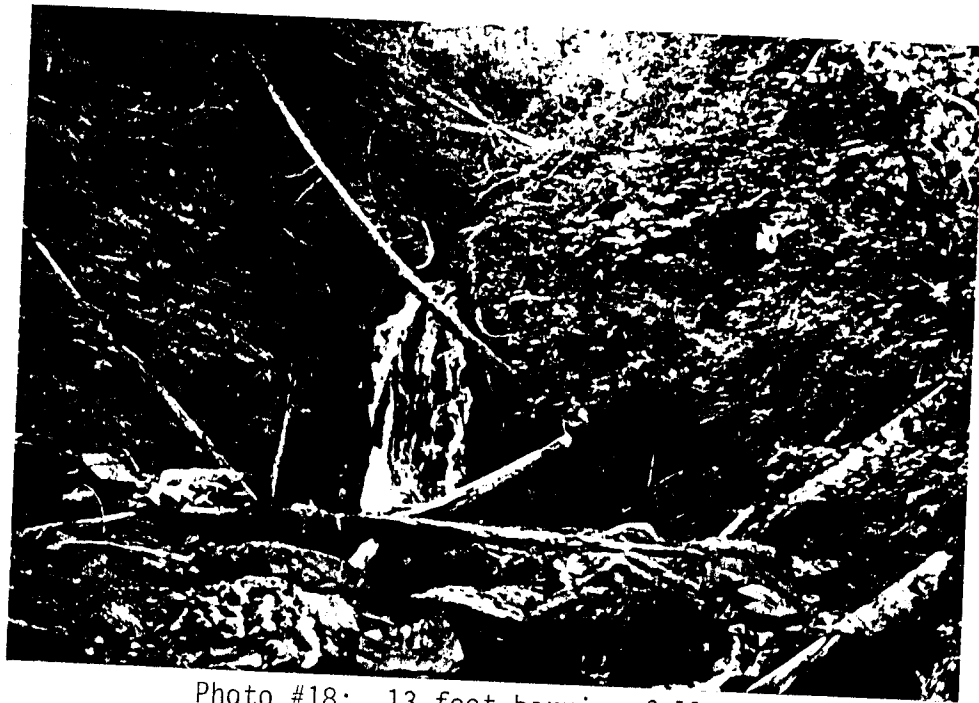


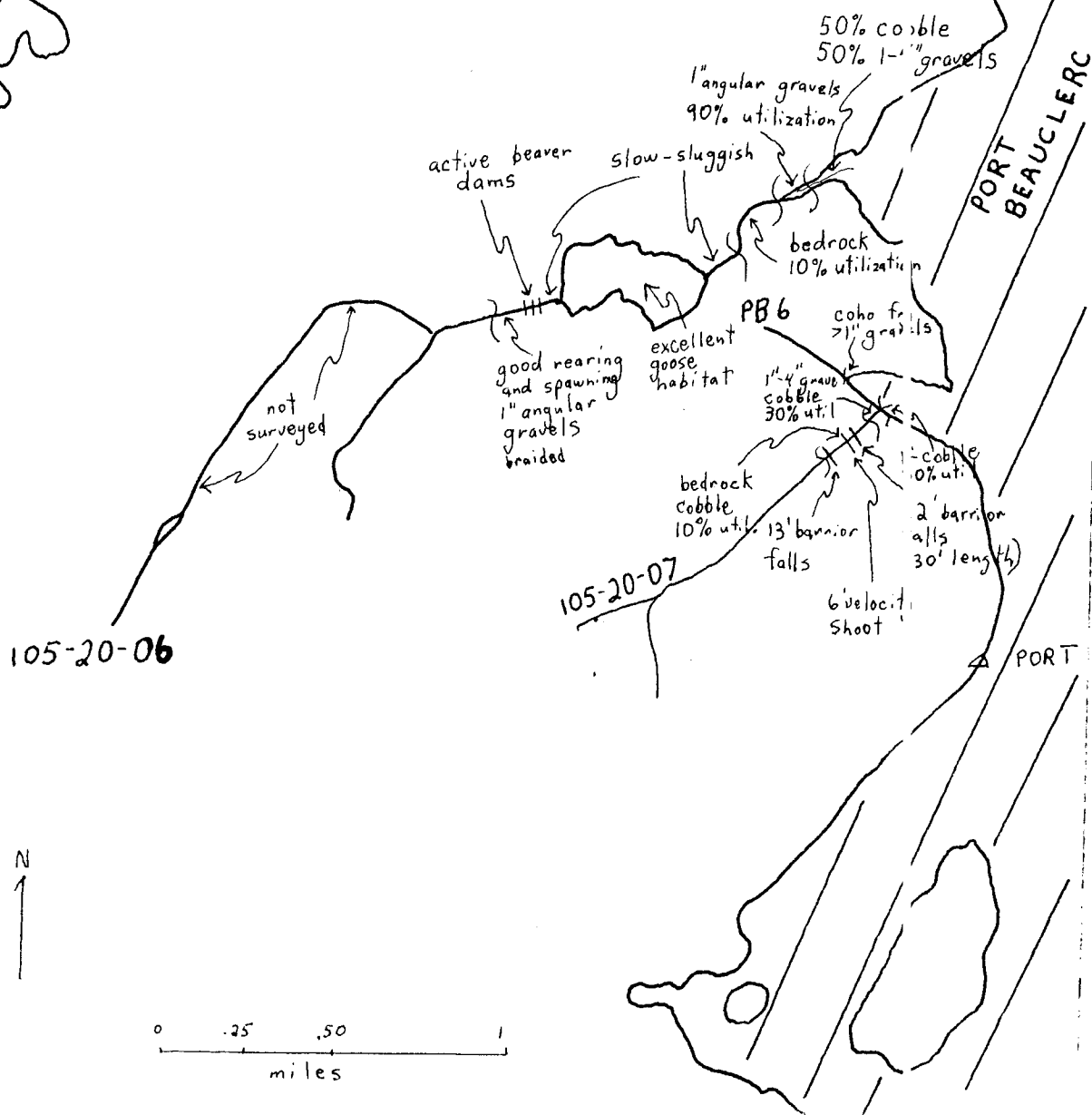
Photo #18: 13-foot barrier falls.

A few coho and trout fry were observed in the lower 300 yards of the stream. No ADF&G spawning escapement data is available for this system.

105-20-(07-06)
PB 6

Petrof
Bay

KUIVU ISLAND



STREAM HABITAT INVENTORY

AREA AND STREAM	TYPE AND DISTANCE OF SURVEY	FISH SPECIES AND MATURITY	STREAM QUALITY			STREAM			VELOCITY		WATER		MAJOR SUBSTRATE	
			Spanning Inter-tidal	Up-stream	Rearing	Gradient	Mean width (ft.)	Mean depth (ft.)	Inter-tidal	Upstream	Color	Temp. °C	Inter-tidal	Upstream
105-20-04	1 mile foot	coho fry, cut-throat trout, adult dolly varden, adult pink, adult chum	excel-lent	good	excel-lent	gentle	35' channel 10' x 3"		5 cfs		clear	12°	1" gravels	1-2" gravel
PB5	3/4 mile foot	coho fry, cut-throat trout, adult chums jumping off mouth	good/excel-lent	good	good	gentle becoming moderate	20' channel 15' x 3"		5 cfs		clear	11°	1" gravels	1-3" gravel 20% cobble
105-20-06	1 mile foot	adult pink and chum and dolly varden, coho fry	excel-lent	good	excel-lent	gentle	80' intertidal 20' above lake		8 cfs		lt. tan	19°	1" gravels	1" gravel
PB6	1/4 mile foot	coho fry, trout fry	poor low flow	good lacks water	excel-lent	flat	6' channel 1' x 1"		<1 cfs		lt. tan	12°	1" gravels	1" gravel
105-20-07	1/4 mile foot	coho fry, trout fry	good	fair poor up-stream	fair	gentle/moderate	20' channel 5' x 2"		3 cfs		clear	13°	pea-1" lower cobbles & gravels	bedrock cobble in upper

STREAM HABITAT INVENTORY

AREA AND STREAM	TYPE AND DISTANCE OF SURVEY	FISH SPECIES AND MATURITY	STREAM QUALITY			STREAM		VELOCITY		WATER		MAJOR SUBSTRATE	
			Opening inter- tidal	Up- stream	Rearing	Gradient	Mean width (ft.)	Mean depth (ft.)	Inter- tidal	Upstream	Color	Temp. °C	Inter- tidal
Port Beau- clerc 105-20-08	1.25 mile foot	coho fry, trout	excel- lent	very good	very good	gentle	30' channel 20' x 4"	8-10cfs		clear	10°	gravel and fines	gravel and fines
PB8	1/4 mile foot	coho year- ling, trout	fair	poor	fair	moder- ate	18' channel 10' x 1-2"	4 cfs		clear	12°	lower 50% cobble 50% gravel upper mainly cobble	bedrock cobble small boulder
Port Beau- clerc 105-20-09	0.25 mile foot	coho fry, trout	poor	poor	poor to fair	gentle becoming moderate to steep above 300 yds	20' channel 6' x 4"	3 cfs		clear	12.5°	gravel and fines	small boulders and cobble
105-20-10	5/8 mile foot	coho fry, dolly varden adult, cut- throat trout	fair/ good	good	good	gentle mod/steep above 5/8 mile	30' channel 15' x 3"	5 cfs		clear	13°	1" gravel cobble	1-3" gravels

STREAMS OF THE S.E. KUIU STUDY AREA

17

FREDERICK
SOUND

KUIU
ISLAND

REID
BAY

PORT
BENCLERC

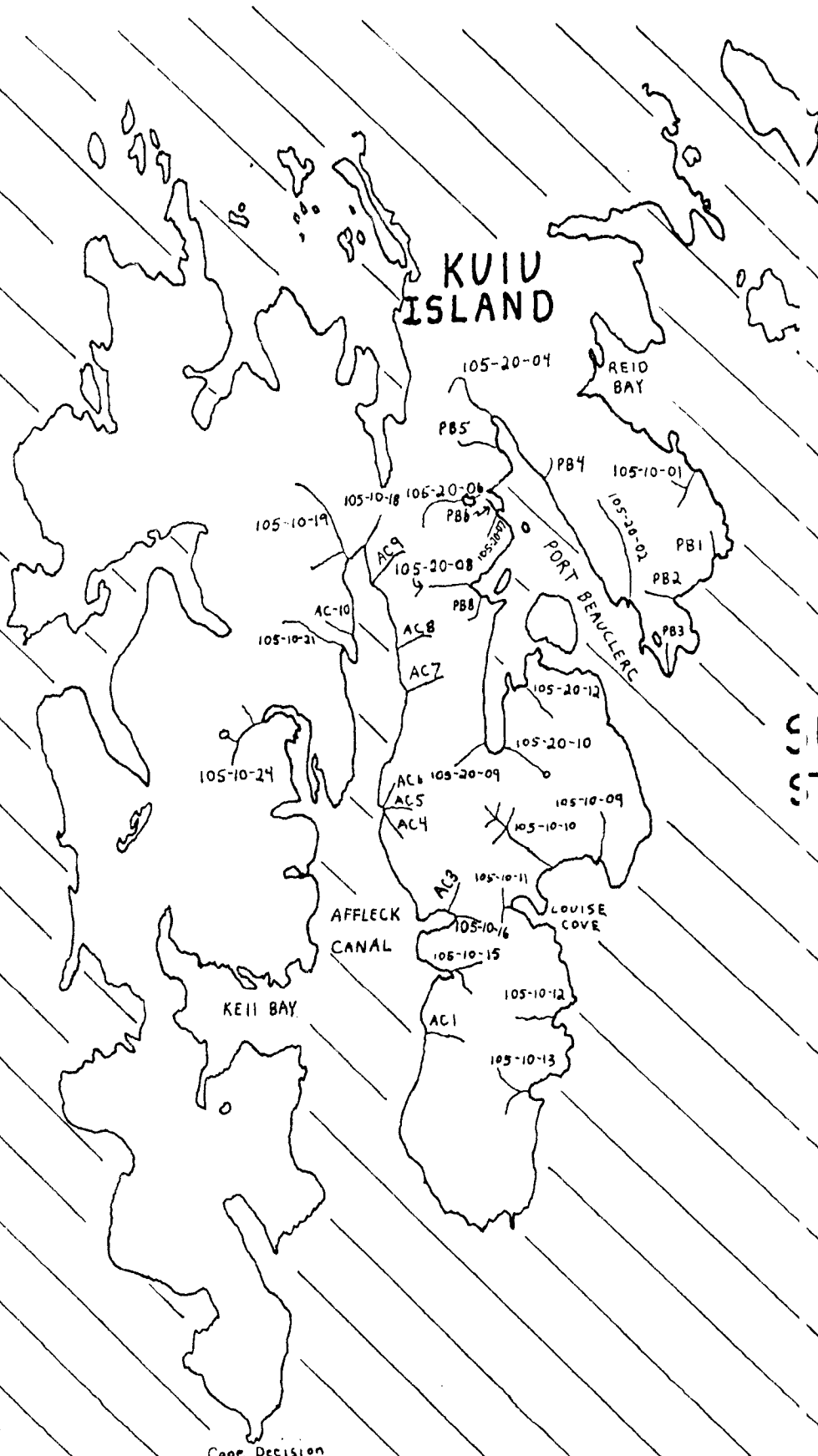
SUMNER
STRAIT

AFFLECK
CANAL

KEIL BAY

LOUISE
COVE

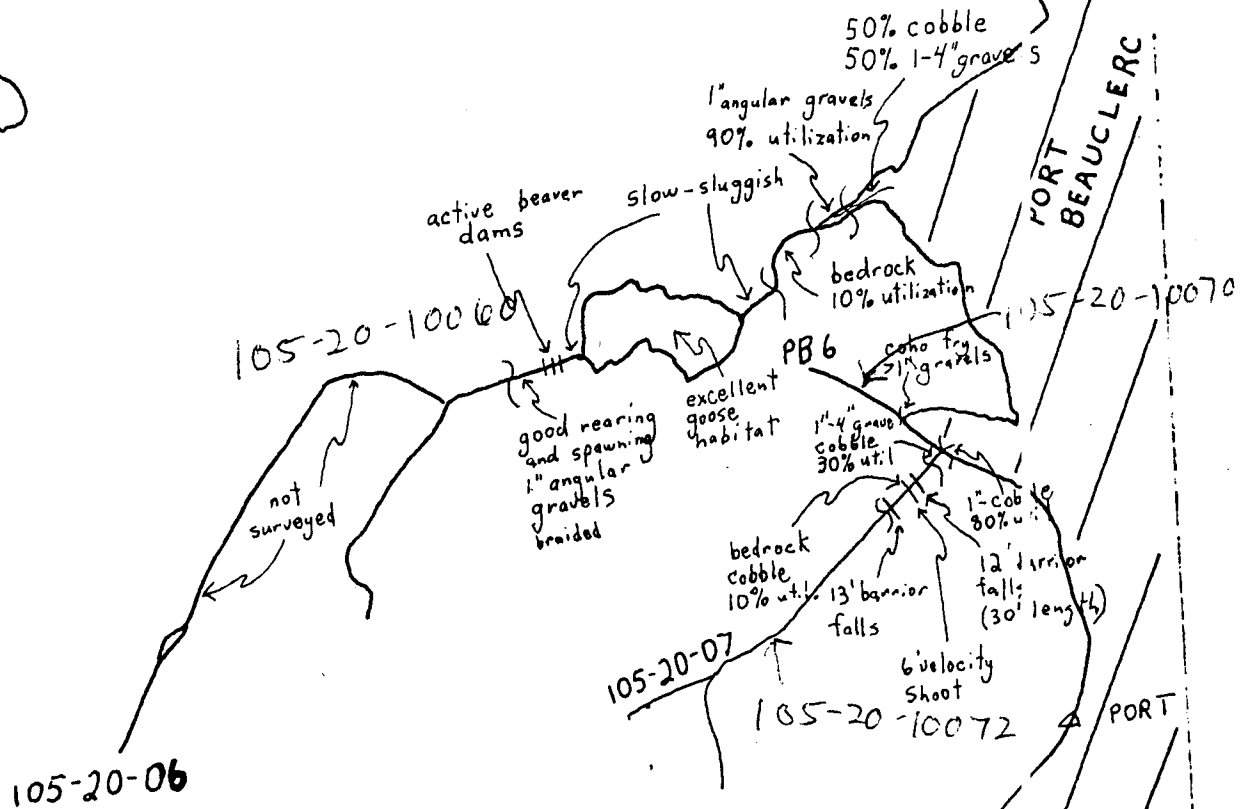
Cape Decision



105-20-07-06
PB 6

Petrof
Bay

KUIU ISLAND



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0 .25 .50 1
miles